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The Department of Energy Carbon Sequestration Regional Partnerships are generating the data for a "carbon atlas". This key geospatial data (carbon sources, potential sinks, transportation, land use, etc.) is required for efficient implementation of carbon sequestration at a broad scale. The **NAT**ional **CARB**on Sequestration Database and Geographic Information System (**NatCarb**) provides web-based, nation-wide data access. Distributed computing solutions link partnerships and other publicly accessible repositories of geological, geophysical, natural resource, infrastructure, and environmental data. Data are maintained and enhanced locally at each partnership, or at specialized data warehouses, but assembled, accessed and analyzed through a single geoportal. **NatCarb** is a functional demonstration of distributed management of data systems that cross the boundaries between institutions and geographic areas and forms the first step toward a functioning national carbon cyberinfrastructure. **NatCarb** can provide access to the necessary information to discuss the costs, economic potential, and societal issues of CO₂ capture and storage, including public perception and regulatory aspects.

For additional information contact:

Tim Carr

Email: tcarr@kgs.ku.edu

Ph: 785.864.2135

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Linking Sources & Sinks

